

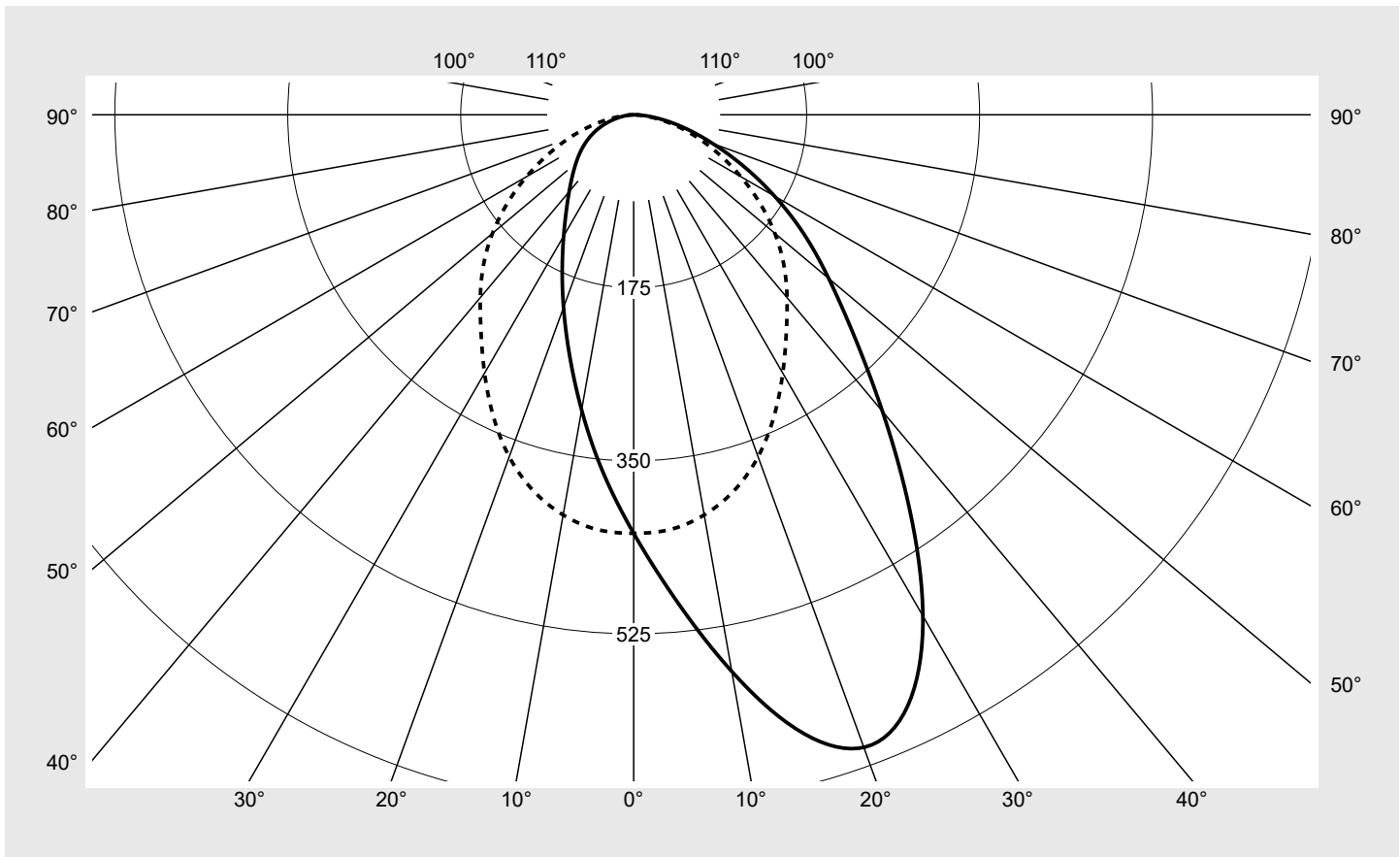


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL14DN38XG EAN: 4069025193926	LP number 58683_369
	Version cover frosted, asymmetric distribution Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8040 lm Power consumption = 49.7 W Luminous efficacy = 161.8 lm/W	serial documentation 29.07.2024
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 681 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=56 N2=84 N3=97 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3
5°	492.9	491.4	480.7	469.8	456.1	438.7	421.2
10°	571.7	566.6	544.9	518.0	484.6	447.0	411.0
15°	644.7	637.1	605.9	562.5	507.2	447.4	393.4
20°	680.9	674.8	644.8	594.0	519.7	438.2	368.1
25°	657.9	657.6	642.1	600.0	518.2	419.3	336.2
30°	585.4	591.2	594.0	574.0	501.7	394.4	301.7
35°	486.6	496.5	513.6	518.9	472.6	367.8	269.2
40°	391.6	400.9	423.7	447.6	435.3	342.4	241.4
45°	315.0	320.7	340.1	373.0	389.0	312.9	214.9
50°	257.7	259.4	273.6	305.9	334.9	275.1	186.5
55°	210.4	209.0	219.8	247.0	276.4	230.5	156.0
60°	164.7	163.2	172.4	194.6	218.3	183.7	125.4
65°	122.2	121.6	130.0	147.7	165.1	139.3	96.1
70°	85.2	85.7	92.4	106.6	118.3	100.1	70.2
75°	55.7	56.1	61.0	71.1	77.9	65.9	46.5
80°	31.6	31.9	35.4	40.3	43.4	36.3	25.7
85°	13.1	12.9	14.6	16.5	16.2	13.2	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	423.3	423.3	423.3	423.3	423.3	423.3	2.5	2.5
5°	404.2	389.5	375.7	365.6	362.1	361.8	20.2	22.8
10°	378.5	351.6	328.9	312.6	305.3	303.2	40.3	63.1
15°	347.6	311.7	283.3	263.5	254.2	251.1	59.8	123.0
20°	312.8	271.7	241.2	220.7	211.0	207.4	77.2	200.1
25°	275.0	232.7	202.9	183.7	174.4	171.0	89.9	290.0
30°	237.7	196.9	169.7	152.6	144.6	141.7	96.4	386.5
35°	204.1	165.0	141.0	127.0	121.0	118.9	96.9	483.4
40°	176.0	138.8	117.2	106.8	102.8	101.6	93.4	576.7
45°	151.3	116.9	98.0	90.5	88.3	87.8	87.1	663.9
50°	128.6	98.3	82.7	77.4	76.2	76.3	79.3	743.1
55°	107.1	82.4	69.7	65.9	65.5	66.0	69.9	813.0
60°	87.0	68.0	58.3	55.3	55.4	56.0	59.0	872.0
65°	68.6	55.0	47.7	45.3	45.4	45.9	47.4	919.5
70°	51.6	42.4	37.2	35.1	35.2	35.4	35.8	955.3
75°	35.3	29.8	26.5	24.5	24.4	24.5	24.7	980.0
80°	20.2	17.6	15.6	14.5	14.4	14.5	14.3	994.3
85°	7.8	7.1	6.7	6.2	6.2	6.3	5.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	25.6	27.2	26.0	27.5	27.9	24.2	25.8	24.6	26.1	26.5
	3H	26.6	28.0	27.0	28.4	28.7	25.4	26.8	25.7	27.1	27.5
	4H	27.0	28.3	27.4	28.7	29.0	25.8	27.1	26.2	27.5	27.8
	6H	27.2	28.5	27.6	28.8	29.2	26.0	27.3	26.5	27.6	28.0
	8H	27.3	28.5	27.7	28.9	29.3	26.1	27.3	26.5	27.7	28.1
	12H	27.4	28.5	27.8	28.9	29.3	26.2	27.3	26.6	27.7	28.1
4H	2H	26.4	27.7	26.8	28.1	28.5	24.9	26.2	25.2	26.6	26.9
	3H	27.5	28.6	27.9	29.0	29.4	26.3	27.4	26.7	27.8	28.2
	4H	28.0	29.0	28.4	29.4	29.8	26.8	27.8	27.2	28.2	28.7
	6H	28.3	29.2	28.7	29.6	30.1	27.2	28.1	27.6	28.5	29.0
	8H	28.4	29.2	28.9	29.7	30.1	27.3	28.1	27.8	28.5	29.0
	12H	28.5	29.2	29.0	29.7	30.2	27.4	28.1	27.9	28.5	29.0
8H	4H	28.3	29.1	28.8	29.5	30.0	27.0	27.9	27.5	28.3	28.8
	6H	28.7	29.4	29.2	29.9	30.4	27.6	28.2	28.0	28.7	29.2
	8H	28.9	29.5	29.4	29.9	30.5	27.7	28.3	28.2	28.8	29.3
	12H	29.0	29.5	29.5	30.0	30.5	27.8	28.3	28.3	28.8	29.4
12H	4H	28.3	29.0	28.8	29.5	30.0	27.1	27.8	27.6	28.2	28.7
	6H	28.8	29.4	29.3	29.9	30.4	27.6	28.2	28.1	28.7	29.2
	8H	29.0	29.5	29.5	30.0	30.5	27.8	28.3	28.3	28.8	29.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m ²												
45°	41163.4	41907.3	44453.1	48751.3	50834.3	40898.9	28086.9	19779.8	15275.1	12802.0	11831.6	11543.1	11469.5
50°	37044.2	37289.7	39335.6	43972.9	48155.6	39544.8	26814.7	18494.8	14138.4	11884.3	11121.5	10960.5	10971.4
55°	33891.9	33678.0	35410.3	39792.1	44540.6	37132.5	25128.5	17261.9	13272.5	11229.5	10622.1	10554.9	10640.4
60°	30439.4	30170.7	31865.6	35968.6	40352.1	33946.4	23168.7	16074.3	12563.8	10768.4	10229.5	10233.0	10357.0
65°	26719.2	26581.0	28420.3	32292.7	36096.0	30453.5	21018.7	14998.6	12036.2	10424.9	9910.5	9925.6	10046.1
70°	23015.4	23167.5	24972.1	28812.0	31956.3	27051.9	18966.9	13937.7	11451.3	10060.4	9470.8	9508.3	9552.6
75°	19895.0	20030.7	21767.1	25380.5	27812.4	23537.7	16618.3	12607.8	10656.8	9446.4	8732.6	8712.3	8734.7
80°	16842.7	16990.7	18825.2	21464.3	23073.1	19313.2	13692.2	10757.2	9370.8	8293.6	7738.0	7684.3	7727.9
85°	13881.8	13727.0	15437.3	17456.2	17161.4	13968.8	9684.0	8282.2	7558.0	7054.4	6626.0	6592.1	6652.5

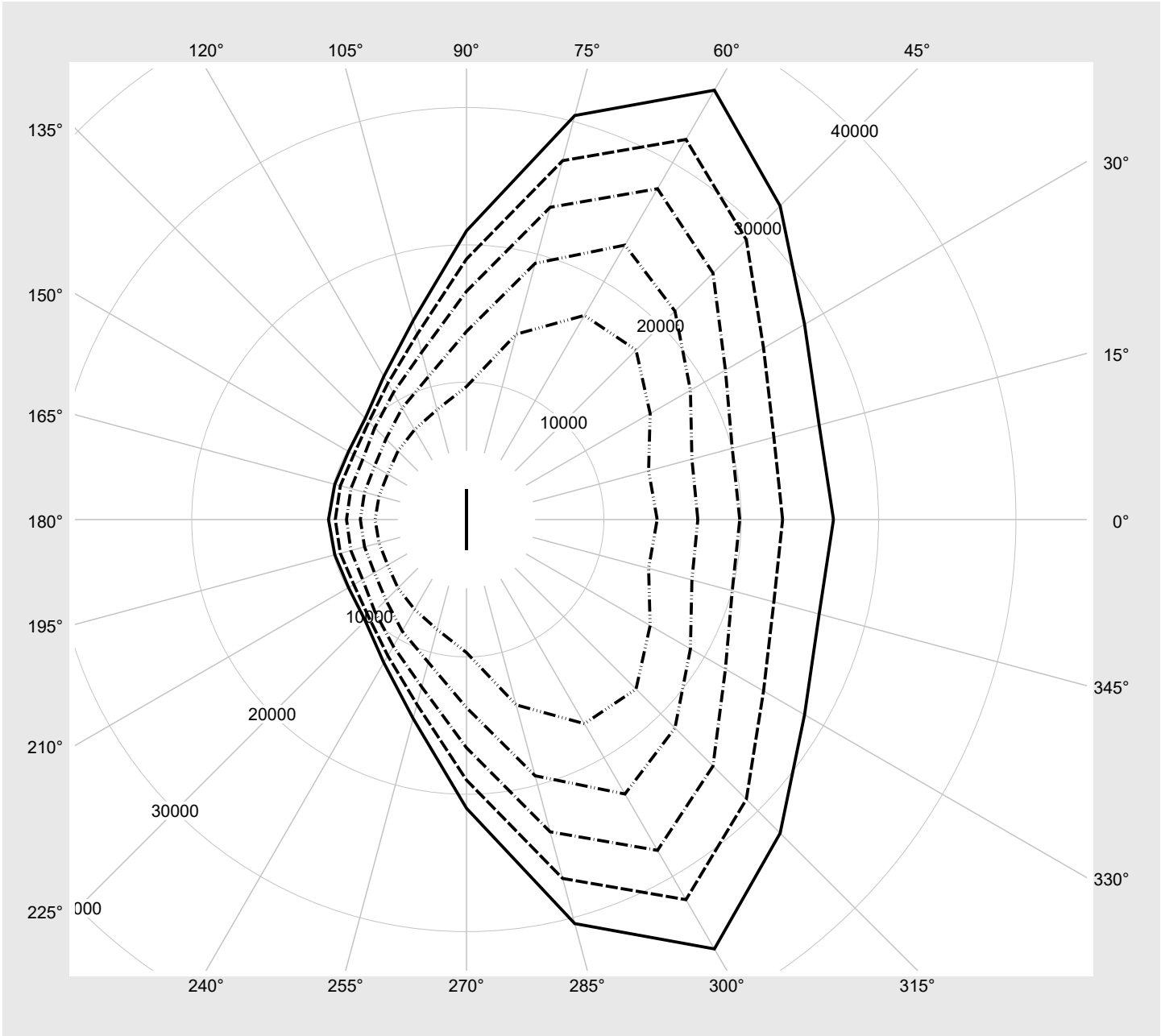
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8040	49.7
95	240	252	7631	47.0
90	227	250	7246	44.5
85	213	248	6827	41.7
80	200	245	6437	39.1
75	187	243	6044	36.5
70	173	240	5615	33.9
65	160	237	5212	31.3
60	148	234	4839	29.1
55	135	231	4432	26.7
50	122	227	4021	24.2
45	109	223	3605	21.8
40	97	219	3220	19.5
35	84	213	2799	17.2
30	72	208	2407	15.0
25	60	201	2012	12.7
20	48	193	1614	10.5
15	36	182	1214	8.3
10	24	168	810	6.2
5	12	142	401	4.1
2	5	110	163	2.9